

Climatological Data for September, 1909.

DISTRICT No. 2, SOUTH ATLANTIC AND EAST GULF STATES.

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GENERAL CLIMATOLOGICAL CONDITIONS.

Throughout the eastern portion of the United States the autumn months are usually characterized by very pleasant weather; the high temperatures that have prevailed so long begin to be interrupted by brief periods of cool, bracing weather; there is less rainfall and the number of fine days increases. Such was the case during September, 1909, over most of the area embraced in District No. 2. However, September is included in the period during which subtropical storms prevail, and accordingly there is a wide range of possibilities as regards rainfall, especially in Florida which often has to bear the brunt of these disturbances. At Jacksonville, for example, the September rainfall has varied from a minimum of 2.19 inches to a maximum of 21.79 inches in a month when subtropical storms were frequent. While several areas of low atmospheric pressure appeared near the southern extremity of Florida during the month not one was of much force. The West Indian hurricane of September 17 to 21, however, caused much damage along the Gulf coast and in the interior. This storm approached the middle Gulf coast on September 19 and hurricane warnings were promptly displayed. On the 20th the vortex of the disturbance had reached the mouth of the Mississippi River, whence it passed northward just west of the river, reaching the vicinity of Little Rock, Ark., on the morning of the 21st. The damage caused by this storm in District No. 2 was confined chiefly to the State of Mississippi and is described elsewhere. The only other climatic feature of interest for the month was the marked period of fine, clear, colder weather that prevailed after the 25th. At one station in Virginia a minimum temperature slightly below freezing occurred and light frosts, the first of the season, were general on the 28th and 29th in the northern portions of the States bordering the Gulf and in the western portions of Virginia, North Carolina, and South Carolina. This "cool wave" was sufficiently marked to cause deficiencies in monthly mean temperature at most stations in the States bordering the Atlantic Ocean. Warmer weather prevailed in Alabama and Mississippi. Some stations in Florida again reported heavy rains, namely those on the east coast between Miami and Jupiter, Fla.

TEMPERATURE.

The temperature during September was below normal in Virginia, North Carolina, South Carolina, and the larger portions of Georgia and Florida, the departures for the first three States averaging over 2° . The largest individual deficiencies were 5.9° at the regular station, Richmond, Va., and 4° or more at a few cooperative stations in North Carolina. In Virginia and South Carolina the monthly mean temperature for this month was the lowest September mean on record. Excepting a short period of cool weather during the first week in the north, the weather was quite warm during the first two decades of September, and maximum temperatures exceeding 90° occurred in all sections, and exceeding 100° in Georgia, Alabama, and Mississippi. Then a "cool wave" spread over the district under the influence of an area of high atmospheric pressure from the north, and the lowest temperatures for the month occurred from the 26th to 30th. Light frosts were general on the 28th and 29th. In Florida light frosts occurred at Wausau September 29, and it is worthy of note that only once before, in 1897, has frost formed in Florida during September since the Florida section was established.

The monthly mean temperatures ranged from 81.1° at Miami, Fla., (closely followed by 80.1° at Brunswick, Ga., and 80.0° at Biloxi, Miss.) to 60.4° at Hot Springs, Va. Monthly means

below 70° occurred only from Georgia northward to Virginia. The highest temperature was 101° at several stations, namely at Blakely, Ga., on the 5th, at Pushmataha, Ala., on the 4th, at Hamilton, Ala., on the 9th and at Jackson, Miss., on the 10th. The minimum was 31° on the 28th at Hot Springs, Va. The range in temperature for District No. 2 was thus 70° , or from below freezing to above 100° .

PRECIPITATION.

The average precipitation for September was below the normal in all States in the district, except Mississippi where there was a slight excess due to the heavy rains accompanying the subtropical storm which passed over the western part of the State on the 20th. The deficiency was greatest in Florida, although the State had a fairly high September average of 4.09 inches. Virginia and North Carolina were also relatively very dry with deficiencies exceeding an inch on the average. Drought prevailed in several eastern counties of North Carolina, particularly on the lower Tar River watershed, as also in the central-western counties of Georgia. The rainfall in the three northernmost States fell in brief periods extending roughly from the 7th to 10th, inclusive, 16th to 18th, and on the 24th. In the Gulf States, after a brief period of fair weather at the beginning of the month, showers occurred frequently from the 6th to the 25th, but the rainfall was very irregularly distributed. The last few days of the month were dry and very pleasant everywhere.

The regions of maximum rainfall were as follows: On the east coast of Florida, south of Jupiter, the monthly total rainfall exceeded 10 inches at a few stations (Hypoluxo 18.16 inches and Miami 13.93 inches); in central Georgia the largest amount was 9.51 inches at Butler; in southern Mississippi the total exceeded 8 inches at two stations, Bay St. Louis, 8.05 inches and McNeill, 8.49 inches. The least rainfall is noted along the western border of Georgia, where West Point received only 0.24 inch. The extreme variability in meteorological conditions over a comparatively small area is forcibly illustrated by the difference in the total rainfall for September at the two stations, Hypoluxo and West Point.

The greatest rainfall in twenty-four hours was 5.90 inches on the 19th at Hypoluxo, Fla. Rains exceeding 2.50 inches in twenty-four hours occurred at three stations in North Carolina, at seven stations in South Carolina, at one station in Georgia and Alabama, at eight in Florida, and at eleven in Mississippi. Only one place reported an inch or over in one hour, namely Fulton, Miss., 1.20 inches in one hour on September 8. The largest number of rainy days was 16 at Hypoluxo and Key West, Fla.

RIVER CONDITIONS.

The rivers throughout the district maintained very low average stages during September and present no features of special interest. The Santee River in South Carolina experienced a moderate but unimportant rise between the 23d and 25th, reaching flood stages for short periods at Rimini and Ferguson; elsewhere the rivers did not even approximately approach the flood stages at any point.

MISCELLANEOUS PHENOMENA.

The prevailing wind direction was northeast in all States from Virginia to Florida; it was east in Alabama and north in Mississippi. The average hourly velocity exceeded 10 miles at a few regular stations, namely, Hatteras, average hourly velocity 14.4 miles; Charleston, 11.5; Savannah 10.5; Jupiter, 10.7; Pensacola, 12.6; and Sand Key, 14.7 miles. The maximum velocity was 64 miles an hour at Pensacola on September

20. Maximum winds exceeding 40 miles an hour occurred at Hatteras, 49 from the north on the 27th, Sand Key, 48 miles east on the 17th, and Mobile, 47 miles southeast on the 21st.

The average number of clear days was large in Mississippi and Alabama (18 to 16) but the amount of sunshine diminished somewhat toward the north, the number of clear days averaging 13 from Georgia to Virginia. Auroras were observed in Virginia on the 8th, 25th, and 29th.

THE WEST INDIAN HURRICANE OF SEPTEMBER 17-21.

This storm was attended by severe gales that caused enormous loss of property, chiefly in the southern and western portions of Mississippi, although the entire Gulf coast felt the ef-

fects of the storm to a greater or less extent. The official in charge of the local office of the Weather Bureau at Vicksburg, Miss., briefly describes the loss as follows:

The loss of life was not fully reported, but was confined mostly to the coast. Railroad, telegraph, and telephone companies sustained severe losses. Immense iron bridges and large and substantially built ships were wrecked along the coast. Hundreds of bath houses and many wharfs were demolished. In the interior, and especially in the southwestern counties, where the fury of the storm reached its greatest height between 11 p. m. of the 20th and 2 a. m. of the 21st, thousands of forest trees and many small buildings were laid prostrate; dwellings, churches, and stores were unroofed; barns were blown down and stock killed; and crops, especially cotton, were materially damaged.

TABLE 1.—Climatological data for September, 1909. District No. 2, South Atlantic and east Gulf States.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Virginia.																					
Arvonia.	Buckingham.	350	5	66.8	-2.9	85	10	42	29	29	2.50	-0.32	1.20	0.0	5	15	10	5	w.	Rev. Plummer F. Jones.	
Asblands.	Hanover.	221	18	66.6	-2.9	87	18	39	29	34	3.16	-0.32	1.18	0.0	6	7	15	8	n.	E. L. C. Scott.	
Buchanan.	Sedgwick.	820	5								3.77	-0.27	1.14	0.0	9	1	15	14	w.	D. D. Booze.	
Callaville.	Brunswick.	250	15	67.0	-2.6	84	17	38	29	30	3.59	+0.27	1.34	0.0	8	12	15	3	n.	F. M. Gage.	
Cape Henry.	Princess Ann.	20	35	70.0	-1.8	82	1	54	27	23	2.78	-3.30	0.43	0.0	5	9	7	14	n.	U. S. Weather Bureau.	
Charlottesville.	Albemarle.	800	20	67.4	-0.6	86	1†	46	28	30	1.21	-3.23	0.62	0.0	5	11	14	5	se.	Leander McCormick.	
Clarksville.	Mecklenburg.	15									3.46	+0.53	1.10	0.0	6	17	6	13	ne.	J. Henry Ligon.	
Columbia.	Fluvanna.	248	11	65.9	-2.7	85	6	38	29	40	2.46	-1.10	1.01	0.0	7	12	11	7	se.	Agent, C. & O. R. R.	
Danville.	Pittsylvania.	413	9								2.48	-0.52	1.42	0.0	5	11	3	16	n.	C. G. Watkins.	
Diamond Springs.	Princess Anne.	20		69.0							1.11	0.51	0.0	0	3					Virginia Experiment Sta.	
Dinwiddie.	Dinwiddie.	267	5																	W. N. Colson.	
Hampton.	Elizabeth City.	5	26	70.6	-1.6	88	21	48	29	25	1.18	-1.92	0.70	0.0	6	19	3	8	ne.	Hampton Institute.	
Hot Springs.	Bath.	2,195	17	60.4	-2.3	78	12	31	28	34	2.37	-1.39	0.77	0.0	8	15	9	6	...	James P. Scott.	
Ivor.	Southampton.	87		68.0		88	23†	36	29	38	2.35	-0.50	1.50	0.0	5					Agent N. & W. Ry.	
Lexington.	Rockbridge.	1,060	32	64.0	-2.4	85	15	35	29	40	1.96	-1.99	0.50	0.0	8	19	5	6	...	Virginia Mil. Institute.	
Lynchburg.	Campbell.	685	38	66.7	-2.4	85	1	40	28	33	2.65	-1.13	0.95	0.0	6	7	9	14	n.	U. S. Weather Bureau.	
New Castle.	Craig.	1,300									3.49	-0.50	1.28	0.0	8	11	5	14	...	Miss J. L. Martin.	
Newport News.	Warwick.	55	6	69.8		89	23	48	29	27	1.99	-0.55	0.0	0	7	10	10	10	e.	Ernest W. Sniffen.	
Norfolk.	Norfolk.	91	39	69.7	-2.0	88	23	52	29	27	2.05	-3.36	0.22	0.0	7	7	9	14	...	U. S. Weather Bureau.	
Petersburg.	Dinwiddie.	60	22	68.4	-2.8	88	5	43	29	32	3.77	+0.05	1.68	0.0	10	23	0	7	...	Central State Hospital.	
Randolph.	Charlotte.	334	5								3.04	-0.53	0.78	0.0	7	14	6	10	...	W. B. Spencer.	
Richmond.	Henrico.	144	30	67.4	-5.9	85	1	47	38	25	2.89	-0.53	1.95	0.0	7	5	19	6	...	U. S. Weather Bureau.	
Rocky Mount.	Franklin.	1,150	15	65.6	-5.1	85	14†	37	29	38	2.23	-1.21	1.00	0.0	6	14	0	16	...	G. W. B. Hale.	
Sabot.	Goochland.	125									3.66	-0.50	1.65	0.0	6	15	10	5	...	W. A. Jacobs.	
Saxe.	Charlotte.	350	6	67.2	-2.3	90	1	36	29	40	3.44	-0.50	1.72	0.0	6	19	0	11	...	State Experim. Farm.	
Spottsville (near).	Surry.	15	21	67.7	-2.3	87	23	37	29	38	3.45	+0.07	1.26	0.0	6	14	6	10	...	B. W. Jones.	
Williamsburg.	James City.	70	18	67.2	-1.9	86	1†	42	28	32	2.56	-1.51	1.00	0.0	7	12	12	5	sw.	Eastern State Hospital.	
North Carolina.	Carteret.	10	7	73.6		89	24	51	29	23	2.14	-0.87	0.0	0	6	12	11	7	...	H. D. Allen.	
Beaufort.	Beaufort.	4		70.9		90	13	45	37	40	0.83	-0.65	0.0	0	4	12	7	11	s.	William S. Hopkins.	
Brewers.	Wilkes.	1,950	12	66.8	-2.4	87	1†	37	29	43	2.52	-2.05	1.32	0.0	10	9	14	7	w.	W. L. Brewer.	
Carooleen.	Rutherford.	806	9	69.4	-2.8	90	13	41	28†	36	6.52	+2.78	3.75	0.0	8	11	12	7	...	S. B. Tanner.	
Chalybeate Springs.	Harnett.	500	3	68.6		89	23	35	29	42	2.86	-0.82	1.15	0.0	8					...	J. A. Smith.
Chapel Hill.	Orange.	500	51	69.4	-2.1	90	1†	46	37	36	2.98	-0.82	1.27	0.0	11	17	8	5	e.	Prof. A. H. Patterson.	
Charlotte.	Mecklenberg.	808	33	69.0	-1.7	87	11	47	28	28	2.06	-1.16	1.02	0.0	8	9	10	11	...	U. S. Weather Bureau.	
Chimney Rock.	Rutherford.	1,150																	Dr. L. B. Merce.		
Clinton.	Sampson.	156	2	71.6		89	16†	39	29	39	4.48	-0.10	1.92	0.0	10	16	3	11	...	Thomas Boyette.	
Eagletown.	Northampton.	66	4	69.1		89	23	40	29	34	1.01	-1.20	0.28	0.0	5	15	12	3	sw.	J. T. Elliott.	
Edenton.	Chowan.	30	15	68.9	-3.2	86	14	40	29	30	1.85	-1.20	0.95	0.0	4					E. R. Conger.	
Fayetteville.	Cumberland.	170	22	70.8	-1.2	91	23	40	29	40	2.91	-1.39	1.10	0.0	7					Frank Glover.	
Goldsboro.	Wayne.	102	39	69.7	-3.1	89	5	40	29	41	2.26	-2.32	1.00	0.0	11					Mrs. N. B. Taylor.	
Graham.	Alamance.	656	7								3.04	-0.50	0.75	0.0	9					Dr. W. R. Goley.	
Greensboro.	Guildford.	843	28	68.5	-2.5	89	1†	44	28†	34	2.34	-0.63	0.88	0.0	6					A. R. Horry.	
Greenville.	Pitt.	75	16								2.00	-2.97	1.10	0.0	9					C. V. York.	
Hatteras.	Dare.	11	35	72.8	-1.9	85	5	57	30	19	1.35	-3.98	1.04	0.0	5	14	10	8	...	U. S. Weather Bureau.	
Henderson.	Vance.	490	16	67.2	-4.9	86	1	44	28†	28	2.53	-1.00	1.01	0.0	6	15	10	5	...	Enoch Powell.	
Kinston.	Lenoir.	48	11																Rev. J. R. Rountree.		
Lenoir.	Caldwell.	1,186	36	66.0	-0.7	84	1†	34	28	38	4.48	-0.10	1.92	0.0	10	16	3	11	s.	G. M. Goforth.	
Lexington.	Davidson.	810	8	68.0		91	1	38	29	41	0.96	-0.70	0.0	0	4	16	12	2	...	H. R. Bellier.	
Lincolnton.	Lincoln.	994	4	68.2		89	11	38	29	35	2.39	-0.88	1.50	0.0	6	16	0	14	...	L. B. Thompson.	
Louisburg.	Franklin.	375	18	68.3	-2.9	88	1	40	29	33	2.44	-0.86	1.26	0.0	6	12	11	7	...	T. B. Wilder.	
Lumberton.	Robeson.	102	26	71.8	-1.1	93	16†	39	29	44	2.76	-1.52	0.89	0.0	10					B. M. Davis.	
Manteo.	Dare.	12	4	70.4		84	24	49	31	30	1.38	-1.28	0.0	0	3	19	6	5	...	U. S. Weather Bureau.	
Marion.	McDowell.	1,425	17	67.8	-1.4	90	11†	39	29	44	4.79	-0.09	1.16	0.0	13	12	14	4	w.	Thomas McGuire.	
Moncure.	Chatham.	145	15	69.5	-2.4	88	17	43	34	40	1.92	-2.07	0.65	0.0	9	20	4	6	...	B. J. Utley.	
Morganton.	Union.	588	15	71.0	+0.3	92	1	40	28	35	2.51	-1.42	1.42	0.0	6	13	4	13	...	T. A. Ashcraft.	
Mt. Airy.	Burke.	1,135	22	67.0	-2.5	87	1	36	28	38	6.23	+2.08	1.94	0.0	12	13	9	8	...	H. D. Judd.	
Mt. Holly.	Surry.	1,048	21	67.0	-1.2	89	23	37	29	45	2.45	-1.32	1.21	0.0	8	17	7	6	sw.	Prof. A. H. Merritt.	
Nashville.	Gaston.	616	12								2.54	-1.36	1.34	0.0	5					John W. Holland.	
Newbern.	Nash.	190	5	69.2		89	1†	37	29	40	1.75	-0.71	0.0	0	5	10	9	11	...	J. B. Boddie.	
Pinehurst.	Craven.	12	27	70.9	-2.7	92	10	41	29	42	1.78	-3.18	0.39	0.0	8					James B. Hill.	
Pittsboro.	Moore.	650	5	70.0		91	15	46	28	41	5.09	-0.80	4.25	0.0	6	13	7	5	...	General Office..	
Raleigh.	Wake.	390	38	68.7	-1.9	88	1	38	29	37	4.52	+1.18	1.15	0.0	8	6	12	12	...	J. E. Morgan.	
Ramsour.	Randolph.	442	2	67.4		90	1	35	29	44	3.29	-0.43	1.57	0.0	4	10	14	6	...	U. S. Weather Bureau.	
Randleman.	Randolph.	810	4								1.80	-0.01	1.15	0.0	9	9	7	14	...	P. P. Turner.	
Reidsville.	Rockingham.	828	10	68.5	-2.1	88	23	43	28†	36	3.01	+0.26	1.28	0.0	7	9	3	18	...	John R. Walton.	
Rockingham.	Richmond.	210	14	69.0	-4.9	91	15	36	30	46	2.30	-0.82	1.60	0.0	3				...	E. M. Redd.	
Roxboro.	Person.	600	11																...	H. S. Ledbetter.	
Salem.	Forsythe.	1,000	14	67.0	-3.8	89	1	38	29	37	2.28	-0.68	0.87	0.0	6	13	6	11</			

MONTHLY WEATHER REVIEW.

SEPTEMBER, 1909

TABLE 1.—Climatological data for September, 1909. District No. 2.—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Sky.	Prevailing wind direction.	Observers.							
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, .10 inch or more.	Number of partly cloudy days.	Number of clear days.				
South Carolina—Cont'd.																					
Calhoun Falls.	Abbeville.	508	16	71.8		90	11	46	28	31	3.57	- 0.53	0.74	0.0	8	22	0	8	ne.		
Camden(1).	Kershaw.	3	43	71.8		90	11	46	28	31	2.32	- 0.68	1.15	0.0	8	13	10	7	ne.		
Camden(2).	Kershaw.	222	4								3.14	- 0.68	2.10	0.0	5	15	7	3	ne.		
Catawba.	York.	562	4								2.52		1.22	0.0	7	12	5	13	ne.		
Chappells.	Newberry.	402	4								4.03	- 0.11	3.05	0.0	6	9	5	5	sw.		
Charleston.	Charleston.	48	39	74.3	- 1.9	90	1	54	29	20	5.35	- 0.11	1.72	0.0	0	11	7	11	6	ne.	
Cheraw(1).	Chesterfield.	144	21																		
Cheraw(2).	Edgefield.	144	16	71.3	- 2.0	89	11	40	29	36	3.28	- 0.30	0.77	0.0	8	10	10	10	n.		
Clark Hill.	Oconee.	456	7								3.41		1.05	0.0	6	13	2	15	s.		
Clemson College.	Richland.	850	18	69.3	- 3.4	86	1	44	29	39	4.93	+ 0.18	1.32	0.0	0	7	10	7	13	ne.	
Columbia.	Horry.	351	23	72.9	- 0.8	90	1	46	29	32	1.04	- 2.41	0.47	0.0	0	7	8	0	22	se.	
Conway.	Darlington.	25	17	73.0	- 1.7	91	5	45	29	39	1.47	- 2.05	0.56	0.0	0	11	10	7	13	ne.	
Darlington.	Dillon.	175	14	72.8 ^a		94	5	40	29	39	5.02	+ 1.38	1.78	0.0	0	11	7	11	6	ne.	
Dillon.	Marietta.	100	5	70.3		94	17	39	29	30	3.28		1.02	0.0	0	7	13	5	12	ne.	
Effingham.	Florence.	106	17								4.87	+ 1.37	2.02	0.0	5	13	5	12	ne.		
Ferguson.	Berkeley.	51	2								2.35		0.90	0.0	4	13	2	9	e.		
Florence.	Georgetown.	136	21	73.6	- 1.0	97	14	42	29	45	5.14	+ 0.93	1.38	0.0	0	9	14	3	13	ne.	
Georgetown.	Greenville.	12	16	72.9	- 2.9	90	5	46	28	28	1.65	- 2.16	0.70	0.0	0	3	16	10	4	ne.	
Greenville.	Greenwood.	989	17	69.0	- 1.4	88	1	44	29	35	4.05	+ 1.02	1.86	0.0	0	9	14	2	14	ne.	
Greenwood.	Health Springs.	671	21	72.2	- 1.0	93	1	45	28	36	3.68	- 0.11	1.71	0.0	0	5	15	0	15	w.	
Health Springs.	Jacksonboro.	563	8	72.8		95	5	50	30	37	2.29		0.31	0.0	6	11	13	6	ne.		
Jacksonboro.	Colleton.	13	1	72.4 ^a		90	5	41	29	33	3.26		1.88	0.0	0	7	12	11	ne.		
Kingtree(1).	Williamsburg.	54	21																		
Kingtree(2).	Williamsburg.	54	15	72.6	- 2.6	95	5	47	29	30	2.14	- 1.30	1.08	0.0	0	7	14	3	13	ne.	
Liberty.	Pickens.	900	15	70.7	- 2.1	92	1	42	29	36	7.05	+ 2.58	2.20	0.0	0	10	13	10	7	e.	
Little Mountain.	Newberry.	711	16	72.2	- 2.9	92	1	49	29	26	2.78	- 1.19	1.05	0.0	0	6	19	7	4	e.	
Newberry.	Pelzer.	502	5	72.3		94	1	42	29	38	4.32		1.62	0.0	0	9	10	6	14	e.	
Pelzer.	Anderson.	873	4								4.22		2.50	0.0	0	9	13	2	13	e.	
Pinopolis.	Berkeley.	54	16	71.5	- 2.9	88	5	48	30	2.08	- 2.40	0.90	0.0	0	3						
St. George.	Dorchester.	109	21	73.2	- 1.9	90	17	42	29	33	3.75	- 0.34	1.50	0.0	0	5	15				
St. Matthews.	Calhoun.	209	21	71.0	- 3.7	88	13	44	29	31	2.89	- 0.62	1.05	0.0	0	9	14	0	16		
Saluda.	Saluda.	530	7	71.4 ^a		97	1	40	29	40	4.74		1.93	0.0	0	5	18	4	5	ne.	
Santuc.	Union.	612	15	71.0	- 2.0	92	11	41	29	37	2.65	- 0.76	1.79	0.0	0	8	10	9	11	e.	
Smith Mills.	Williamsburg.	62	14								2.92	- 1.42	0.83	0.0	0	9	12	1	17	ne.	
Society Hill.	Darlington.	192	18	70.1	- 3.2	88	16	43	28	27	4.98	+ 0.83	2.55	0.0	0	5	10	7	13	ne.	
Spartanburg.	Spartanburg.	875	18	70.6	- 2.0	93	1	42	29	40	5.69	+ 1.89	2.03	0.0	0	9	12	0	18		
Summerville.	Dorchester.	75	12	73.0	- 2.0	95	5	42	29	35	2.23	- 1.69	0.79	0.0	0	10	4	22	4	e.	
Trenton.	Edgefield.	620	16	66.0	- 5.9	89	14	44	28	36	1.93	- 1.34	0.79	0.0	0	6	12	16	2	e.	
Trial.	Berkeley.	55	23	73.4	- 0.1	93	5	39	29	39	1.41	- 2.40	0.35	0.0	0	8	4	22	4	ne.	
Walhalla.	Oconee.	1,061	18	66.6	- 1.3	93	1	43	28	32	8.00	+ 2.05	2.40	0.0	0	9	11	16	3		
Walterboro.	Colleton.	69	5	74.0 ^a		94	5	42	29	40	7.08		4.40	0.0	0	8	11	22	7	1	se.
Winnsboro.	Fairfield.	545	20	71.6	- 1.6	88	17	46	29	37	2.7	+ 1.08	2.90	0.0	0	6	15	6	9	ne.	
Wintrop College.	York.	690	10	71.0	- 1.9	91	17	43	29	33	2.32		0.85	0.0	0	6	15	6	9	ne.	
Yemassee.	Hampton.	23	14	74.0	- 1.8	93	5	42	29	37	3.06	- 0.45	1.19	0.0	0	14	14	4	12		
Georgia.																					
Abbeville.	Wilcox.	6									6.61		2.04	0.0	0	9					
Airlineville.	Bartow.	772	17	70.0	- 2.6	88	1	40	29	35	2.31	- 0.91	1.03	0.0	0	6					
Albany.	Dougherty.	230	24	77.1	- 0.6	99	5	46	29	35	4.65	+ 1.61	1.38	0.0	0	10					
Allapaha.	Berrien.	293	20	76.6	- 0.1	99	1	40	29	46	6.61	+ 2.52	2.00	0.0	0	9					
Americus.	Sumter.	362	26	74.4	- 2.2	92	17	46	29	31	2.71	- 1.60	1.80	0.0	0	5					
Athens.	Clarke.	694	32	71.2	- 0.8	91	1	45	28	37	4.03	+ 0.45	1.22	0.0	0	9					
Atlanta.	Fulton.	1,218	44	71.7	- 0.5	88	11	46	29	38	2.65	- 1.87	0.62	0.0	0	8	13	9	8	ne.	
Augusta.	Richmond.	180	43	74.2	- 0.7	92	1	44	29	34	1.30	- 1.92	0.53	0.0	0	7	8	10	12	ne.	
Bainbridge.	Decatur.	119	17	73.3	+ 2.0	100	24	42	29	45	2.76	- 1.05	0.93	0.0	0	12					
Barnesville.	Pike.	875	1	74.4 ^a		93	17	46	28	39	2.35		0.74	0.0	0	6					
Blakely.	Early.	300	18	78.7	+ 1.6	101	5	42	29	41	3.54	- 0.16	0.83	0.0	0	8	9	18	3	ne.	
Brunswick.	Glynn.	14	11	80.1	+ 1.9	92	17	56	30	34	6.21	- 0.87	1.98	0.0	0	9					
Butler.	Taylor.	650	7								9.51		2.26	0.0	0	9					
Camak.	Warren.	613	16	72.7	- 1.7	95	1	43	29	43	3.41	- 0.84	2.20	0.0	0	6					
Canton.	Cherokee.	894	16								0.96	- 1.68	0.48	0.0	0	4					
Carlton.	Madison.	557	10								4.07	+ 0.32	1.74	0.0	0	9					
Carrollton.	Clayton.	Clayton.	2,100	16	67.4	- 1.1	87	1	39	29	33	6.08	+ 0.93	0.92	0.0	0	9	12	6	12	e.
Columbus.	Muscogee.	262	23	75.1 ^a	+ 1.1	90	4	47	29	42	5.57	- 0.75	0.94	0.0	0	7					
Covington.	Newton.	800	16								1.48	- 1.32	0.65	0.0	0	5					
Cuthbert.	Randolph.	446	10	75.6		97	11	44	28	36	1.50		1.29	0.0	0	2					
Dablonega.	Lumpkin.	1,519	17	69.0	- 0.8	87	17	41	29	31	4.53	+ 0.04	1.88	0.0	0	13	10	18	2	se.	
Diamond.	Gilmer.	2,020	19	67.6	- 1.0	88	15	39	29	34	3.07	- 1.62	1.10	0.0	0	8	11	8	11		
Douglas.	Coffee.	500	2								3.58	+ 0.89	0.92	0.0	0	7					
Dublin.	Laurens.	452	15								0.65		0.65	0.0	0	9	14	13	7		
Dudley.	Laurens.	7		75.4		97	5	42	29	39	2.89		0.65	0.0	0	9					
Eastman.	Dodge.	361	18	76.6	+ 0.6	99	5	45	29	40	3.73	+ 0.16	1.07	0.0	0	9					

TABLE 1.—Climatological data for September, 1909. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days.	Number of clear days.		
Georgia—Cont'd.																		
Milledgeville.	Baldwin.	276	21	75.2 ^a	+ 0.6	96	5†	41	29	35	1.42	- 2.42	0.27	0.0	12	15	6	9 ne.
Millen.	Jenkins.	153	22	74.4	- 1.0	96	5	38	29	42	4.18	+ 0.51	1.25	0.0	8	...	...	Prof. O. M. Cone.
Montezuma.	Macon.	292	4								4.00		1.52	0.0	11	...	...	M. G. McCombs.
Monticello.	Jasper.	800	13	74.2	- 0.8	96	5	43	28	36	2.01	- 1.28	0.59	0.0	13	...	...	W. N. Drewry.
Morgan.	Calhoun.	337	17	76.3	- 0.3	93	1†	44	28	34	1.33	- 1.92	0.30	0.0	11	20	1	0 ne.
Newnan.	Coweta.	959	21	72.6	- 0.9	92	11	42	28	33	1.35	- 1.97	0.37	0.0	6	...	...	J. J. Beck.
Oakdale.	Fulton.	810	9								1.55		1.00	0.0	5	...	...	C. M. Witcher.
Point Peter.	Oglethorpe.	1,000	20	71.6	- 0.8	95	1	41	29	35	3.90	+ 0.15	1.69	0.0	7	12	11	7 e.
Poolan.	Worth.	365	18	77.2	+ 0.7	96	5	41	29	43	1.29	- 2.26	0.41	0.0	10	18	10	2 e.
Putnam.	Marion.	10	10	75.8 ^a	- 0.7	97	1†	43	29	39	6.50	+ 2.58	2.00	0.0	7	10	8	12 sw.
Quitman.	Brooks.	173	25	77.4	- 0.2	95	5	42	29	40	2.02	- 2.50	0.55	0.0	8	...	...	D. E. Humphreys.
Ramsey.	Murray.	1,363	16	70.8	- 1.9	83	11†	41	28	35	3.94	+ 0.68	2.00	0.0	6	16	6	8 se.
Resaca.	Gordon.	657	16								1.40	- 1.39	0.70	0.0	5	...	...	D. A. Norton.
Rome.	Floyd.	576	54	71.8	- 1.3	90	1†	40	28	44	0.68	- 1.19	0.30	0.0	5	...	...	W. M. Towers.
St. George.	Charlton.	3	15	75.4	- 1.4	93	10	49	29†	33	1.97		1.10	0.0	4	12	12	6 w.
St. Mary's.	Camden.	20	18	76.2 ^a	- 1.4	95	5	52	29	30	5.13	- 3.23	1.87	0.0	10	5	12	13 ne.
Savannah.	Chatham.	65	59	74.4	- 2.0	94	5	53	28	24	4.90	- 0.55	1.78	0.0	6	15	9	ne.
Statesboro.	Bullock.	253	9	75.1	- 1.9	96	5	42	29	38	3.97		1.20	0.0	11	8	19	3 se.
Talbotton.	Talbot.	750	16															John Harris.
Tallapoosa.	Haralson.	1,150	11	72.6	+ 0.1	91	11	40	29	42	2.90	- 0.16	1.40	0.0	4	...	...	R. M. Strickland.
Thomasville.	Thomas.	273	26	76.8	- 0.8	95	5	45	29	34	6.07	+ 1.10	3.62	0.0	12	8	16	6 c.
Toccoa.	Stephens.	1,050	24	67.6	- 3.6	89	1	44	29	33	6.18	+ 1.71	2.00	0.0	10	...	...	E. A. Newton.
Valdosta.	Lowndes.	219	4	78.2	- 1.6	100	5	42	29	43	5.60		1.82	0.0	6	...	...	Miss Annie L. Twitty.
Valona.	McIntosh.	10	9	75.0 ^a	- 2.2	92	5	48	29†	30	5.38		2.00	0.0	10	18	8	4 ne.
Washington.	Wilkes.	630	22	73.8	- 0.2	94	1†	45	28	36	1.30	- 2.41	0.40	0.0	11	...	...	J. M. Atwood.
Waycross.	Ware.	131	20	77.8	+ 0.8	97	5	41	29	42	2.47	- 1.75	0.97	0.0	12	...	...	Miss Ella B. Smith.
Waynesboro.	Burke.	86	18	72.6	- 1.3	91	5	45	30	36	3.20	+ 0.21	1.70	0.0	6	...	...	Thos. Sasser.
West Point.	Troup.	620	21	75.4	+ 0.1	95	11	42	29	44	0.24	- 2.87	0.18	0.0	3	...	...	Mrs. H. W. Blount.
Woodbury.	Meriwether.	641	9	72.4	- 0.7	90	1†	39	29	38	2.65		1.78	0.0	2	10	5	15 n.
Alabama																		G. A. Wright.
Alaga.	Houston.	105	4								3.62		1.66	0.0	7	11	7	12 ne.
Aniston.	Calhoun.	741	18	73.4	+ 2.1	90	11	40	28	38	1.19	- 2.34	0.58	0.0	10	10	6	14 se.
Ashville.	St. Clair.	685	16	72.8	- 0.3	93	5†	36	29	45	1.85	- 1.95	0.74	0.0	6	15	12	3 ne.
Auburn.	Lee.	732	20	76.6	+ 2.0	96	11	46	28†	38	0.86	- 2.31	0.35	0.0	7	9	12	9 n.
Benton.	Lowndes.	149	8								2.90		1.02	0.0	10	18	5	7 se.
Bermuda.	Conecuh.	22	27	76.9	+ 1.4	95	5†	43	29	40	2.72	- 1.09	0.93	0.0	7	10	19	1 se.
Birmingham.	Jefferson.	700	21	74.4	+ 0.4	92	12	44	28	32	1.61	- 1.80	0.04	0.0	6	8	12	10 n.
Boligee.	Greene.	119	5															U. S. Weather Bureau.
Calera.	Shelby.	500	8								4.85		1.00	0.0	8	19	2	9 e.
Camp Hill.	Tallapoosa.	738	8	76.0		95	5†	44	28	29	3.04		2.00	0.0	4	19	7	4 e.
Cedar Bluff.	Cherokee.	504	5								3.15		1.15	0.0	4	13	17	0 se.
Clinton.	Mobile.	331	21	77.0	- 0.4	94	6	46	28	29	4.93	+ 0.22	1.69	0.0	17	11	14	5 n.
Cordova.	Chilton.	590	16	75.6	+ 0.8	96	5	42	29	39	4.49	+ 2.32	1.22	0.0	12	12	1	17 e.
Cullman.	Walker.	334	15	74.3	+ 1.1	94	9†	37	29	43	1.89	- 1.10	0.98	0.0	3	18	9	3 s.
Dadeville.	Cullman.	802	2	72.0		93	1†	39	29	41	3.54		1.46	0.0	6	14	12	4 nw.
Daphne.	Tallapoosa.	780	4								4.27		1.49	0.0	5	18	6	6 e.
Demopolis.	Baldwin.	18	77.0	- 0.6	93	5	49	27	28	41	6.51	+ 0.22	1.75	0.0	11	18	4	8 nw.
Double Springs.	Marengo.	17	77.0	- 0.6	93	5	49	27	28	38	3.34	+ 0.44	1.64	0.0	4	24	1	5 nw.
Eufaula.	Winston.	200	25	74.5	- 1.4	92	1	42	29	37	1.68	- 1.84	0.50	0.0	12	18	4	8 e.
Evergreen.	Barbour.	200	25	74.5	- 1.4	92	1	42	29	37	1.68	- 1.84	0.50	0.0	12	18	4	8 e.
Fayette ^c .	Conecuh.	285	25	77.3	+ 1.1	98	13	44	29†	43	1.73	- 1.91	0.68	0.0	8	17	0	13 e.
Flointon.	Fayette.	359																Dr. J. B. Whitlock.
Fort Deposit.	Escambia.	91	7	76.6		98	1	46	29	30	2.78		0.80	0.0	11	19	6	5 s.
Gadsden.	Lowndes.	520	25	76.3	+ 0.4	94	11	46	28†	33	1.71	- 0.91	0.38	0.0	9	16	0	14 c.
Goodwater.	Etowah.	621	25	73.8	- 0.1	90	1†	41	28	42	2.46	- 1.05	0.70	0.0	7	11	4	15 c.
Greensboro.	Coosa.	826	23	75.8	0.0	96	4	41	29	38	2.67	+ 0.11	1.40	0.0	6	24	0	6 sw.
Greenville.	Hale.	220	30	76.8	+ 1.7	94	4†	47	29†	31	2.78	- 0.20	1.28	0.0	7	22	3	5 n.
Hamilton ^a .	Butler.	444	8								0.45		0.24	0.0	2	21	0	9 sc.
Hightower Home.	Marion.	13	75.0	- 0.2	101	9	39	28†	40	1.85	- 0.90	0.80	0.0	4	23	1	6 n.	
Livingston.	Crenshaw.	175	7	76.6	- 0.6	95	5	52	28	25	5.42	+ 0.40	2.35	0.0	12	19	6	5 e.
Lock No. 4.	Sumter.	160	25	75.8	+ 0.1	93	7	43	29†	38	2.06	+ 0.58	1.92	0.0	4	26	0	4 e.
Lucy ^b .	Talladega.	510	12	73.8	- 0.3	92	7	39	29	42	1.77	- 1.16	0.83	0.0	5	26	0	4 n.
Maple Grove.	Cherokee.	18	72.6	- 0.4	93	1†	39	28	41	1.08	- 2.52	0.39	0.0	11	19	19	0 nw.	
Mentone.	De Kalb.	1,595	2								0.67		0.52	0.0	2	17	4	9 se.
Mistletoe.	Macon.	6									3.03		0.87	0.0	8	11	11	8 n.
Mobile.	Mobile.	57	37	78.8	+ 2.3	95	5	52	28	25	5.42	+ 0.40	2.35	0.0	12	19	20	1 n.
Montgomery.	Montgomery.	223	37	76.5	+ 0.7	95	5	48	28	32	1.59	- 1.29	0.43	0.0	8	11	12	7 e.
Newbern.	Hale.	16	77.6	+ 0.9	98	1†	43	28	40	6.02	+ 3.66	1.94	0.0	11	12	14	4 se.	
Oneonta.	Blount.	857	15	71.7	- 0.8	92	1	35	29	44	1.10	- 2.09	0.86	0.0	5	12	2	16 ne.
Opelika.	Lee.	817	30	75.1	+ 0.5	94	5	45	29	36	1.41	- 1.35	0.73	0.0	7	18	3	9 e.
Ozark.	Dale.	400	7	76.7		96	5	45	29	34	4.20		2.30	0.0	4	18	5	7 s.
Prattville.	Autauga.	381	9	76.0		95	1	40	29	30	2.87		1.25	0.0	7	14	13	3 ne.
Pushmataha.	Choctaw.	18	77.2	+ 1.6	101	4	42	29	40	4.40	+ 1.54	1.59	0.0	10	17	12	1 nw.	
Selma.	Dallas.	147	29	77.1	+ 0.6	98	3†	42	28	39								

TABLE 1.—Climatological data for September, 1909. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Sky.	Prevailing wind direction.	Observers.						
				Mean.	Departure from the normal.	Highest.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unsealed.	Number of rainy days.						
Florida—Cont'd.																				
Cedar Keys.																				
Levy.	10	12	80.6	+ 1.4	93	92	60	29	22	1.45	- 3.77	0.49	0.0	4	30	0	e.			
Clermont.	105	16	80.1	- 0.3	95	93	63	29	23	2.33	- 5.22	1.22	0.0	7	9	20	e.			
DeFuniak Springs.	193	14			98 ^a	11					- 2.41	1.03	0.0	9						
DeLand.	27	13										1.23	0.0	9	13	11	e.			
Volusia.												3.79	- 2.41	0.0	6	23	4	ne.		
Eustis.	56	17	79.0	- 0.6	95	92	58	28	26	0.94	- 6.51	0.37	0.0	6	17	8	5	e.		
Federal Point.	5	17	78.2	0.0	94	92	61	28	29	7.09	- 1.57	3.64	0.0	6	17	8	sw.			
Penholloway.	75	3										4.25		1.50	0.0	4	18	8	sw.	
Fernandina.	10	12	77.1	- 1.3	93	5	59	28	21	6.31	- 2.84	2.90	0.0	8	13	12	5	ne.		
Flamingo.	4	7																		
Fort Meade.	125	17	79.3	+ 0.6	95	87	60	29	28	3.04	- 4.97	1.68	0.0	7	20	7	3	ne.		
Fort Myers.	12	17	78.8	- 1.2	89	27	67	28	21	5.07	- 2.80	2.48	0.0	10	21	8	1	e.		
Fort Pierce.	6	8	80.3 ^b		94 ^b	1	68 ^b	6	21	3.48		0.0	12					ne.		
Gainesville.	176	23	78.4	+ 0.4	93	27	57	29	25	1.48	- 4.38	0.75	0.0	7	19	8	3	ne.		
Gramercy.	175	13	78.6	- 0.7	93	27	61	29	27	3.33	- 4.40	1.06	0.0	11	24	6	0	...		
Hilliard.	69	1	75.8		92	17	50	28	29	2.17		1.00	0.0	7	21	4	5	...		
Huntington.	56	12	77.6 ^a	- 1.6	94 ^a	11	58 ^a	29	27	2.63	- 4.98	1.80	0.0	8	17	5	8	n.		
Putnam.	56	12	77.6 ^a	- 1.6	94 ^a	11	58 ^a	29	27	2.63	- 4.98	1.80	0.0	8	17	5	8	n.		
Hypoluxo.	4	9	79.7	- 1.2	91	1	69	6	21	18.16		5.90		16	17	5	8	n.		
Inverness.	43	8	78.0		92	2	58	29	27	0.96		0.68	0.0	2	28	3	2	ne.		
Jacksonville.	101	37	77.0	- 0.3	91	1	56	23	19	4.98	- 3.05	2.93	0.0	9	8	18	4	e.		
Jasper.	152	11										1.10	0.0	3				ne.		
Johnstown.	125	14	77.7	- 1.0	98	5	47	29	39	1.45	- 4.68	0.90	0.0	3				...		
Jupiter.	34	21	80.2	- 0.4	91	70	13	17	7.59	- 1.97	2.84	0.0	14	8	16	6	e.			
Key West.	14	38	80.6	- 1.9	88	12	72	26	15	6.35	- 0.44	1.18	0.0	16	5	20	5	ne.		
Kissimee.	65	17	79.2	- 1.0	92	27	61	29	24	2.93	- 4.99	0.72	0.0	10	5	25	0	...		
Lake City.	210	20	77.6	- 1.1	95	5	49	29	33	2.38	- 2.39	2.09	0.0	4	12	13	5	ne.		
Live Oak.	109	8																		
Macclellany.	125	13	76.2 ^a	- 2.6	94 ^a	2	45 ^a	29	36	1.63	- 3.76	0.80	0.0	4				e.		
Madison.	200	6	78.8		96	57	49	29	34	2.11		0.65	0.0	8	9	9	12	ne.		
Malabar.	24	8	80.9		95	15	64	29	27	3.92		1.10	0.0	16	3	24	3	e.		
Manatee.	8	17	79.8	- 0.2	91	14 ^b	64	29	20	4.24		1.37	0.0	13				...		
Marianna.	30	9	79.9 ^b	+ 2.2	97 ^b	5	66 ^b	28	21	4.97		3.62	0.0	7				...		
Merritt's Island.	20	30	76.6 ^a	- 1.7	89 ^a	17	66 ^a	21	21	2.28	- 2.97	2.28	0.0	5				ne.		
Miami.	5	13	81.1	- 0.3	94	1	70 ^b	5	21	13.03	+ 4.05	2.75	0.0	14	15	7	8	ne.		
Middleburg.	10	8										1.35	0.0	11	12	15	3	...		
Molino.	49	8	76.6		95 ^c	37	44	29	38	4.25		1.31	0.0	6	21	5	4	ne.		
Monticello.	207	4	77.8		93	2	50	29	35	3.38		0.81	0.0	11				...		
Mt. Pleasant.	260	5	75.9		93	2	42	29	27	1.66		0.60	0.0	3	27	0	3	sw.		
Newport.	14	21	77.0	- 1.0	98	5	47	29	39	1.45	- 4.68	0.90	0.0	3				...		
New Smyrna.	98	21	77.2	- 1.7	89	2	62	27	20	6.68	- 1.64	2.55	0.0	11				...		
Ocala.	98	32	79.2	+ 0.5	96	27	61	28	26	2.50	- 4.85	1.12	0.0	8	12	15	3	se.		
Orange City.	39	19										2.07	- 5.17	0.62	0.0	6	17	11	3	se.
Orlando.	111	17	78.1	- 1.5	91	11	61	29	25	3.41	- 4.73	0.67	0.0	11	10	8	12	e.		
Pensacola.	149	31	77.8	- 0.1	90	8	54	29	21	2.25	- 2.98	1.00	0.0	7	11	16	3	n.		
Plant City.	121	17	78.6	- 0.9	93	8	60	28	24	0.75	- 7.10	0.55	0.0	2				...		
Hillsboro.	28	1	78.4		90	17	65	5	22	5.56		1.52		8	21	5	4	ne.		
Rockwell.	10	10	70.2 ^a	- 1.6	94 ^a	2	57 ^a	29	25	1.55	- 4.45	0.70	0.0	3				...		
Marion.	14	14	77.8	+ 0.1	94	2	51	30	29	4.76	- 1.49	1.11	0.0	11	20	9	1	e.		
Huntington.	14	14	77.8	+ 0.1	94	2	51	29	28	4.88	- 1.49	1.11	0.0	8	11	10	9	se.		
St. Johns.	10	50	77.8	- 0.8	90	2	53	29	28	4.28	- 2.13	2.61	0.0	8	11	10	9	se.		
Monroe.	46	6	80.5		90	21	68	28	14	4.04		1.93	0.0	11	7	17	6	ne.		
St. Leo.	140	14	78.8	- 1.3	92	2	58	29	26	2.58	- 4.53	1.31	0.0	9	7	18	5	ne.		
Satsuma Heights.	98	1	76.3		91	27	56	29	28	4.34		2.03	0.0	7	12	15	3	e.		
Putnam.	192	13	76.7	- 0.9	91	2	57	29	24	7.29	- 1.17	2.40	0.0	10				...		
St. Johns.	10	13	76.7	- 0.9	91	2	57	29	24	7.29	- 1.17	2.40	0.0	10				...		
Tallahassee.	192	24	76.4	- 0.4	92	27	55	29	24	4.72	- 0.49	1.05	0.0	11	8	15	7	n.		
Leon.	79	19	79.7	+ 1.4	92	8	60	29	24	3.20	- 5.11	0.96	0.0	12	7	20	3	ne.		
Tampa.	20	16	79.9	+ 0.5	93	13 ^b	53	29	28	4.23	- 2.69	1.64	0.0	12	17	11	3	se.		
Tarpon Springs.	6	17	79.7	+ 0.6	94	2	62	28	23	6.15	- 2.75	1.98	0.0	13	2	16	12	ne.		
Titusville.	250	12	79.0	+ 1.3	98	1 ^b	45	27	34	2.77	- 4.10	0.97	0.0	6	13	15	2	ne.		
Wausau.																				
Aberdeen.	210	21	74.9 ^a	+ 1.5	99	4	39 ^a	28	46	0.75	- 2.01	0.65	0.0	2	20	9	1	n.		
Agricultural College.	424	19	76.0	+ 1.0	100	12	42	28	37	2.78	- 0.13	1.08	0.0	2	14	15	1	s.		
Oktibbeha.	28	16	78.7 ^a	- 0.2	94	6	52 ^a	28	22	8.05	+ 2.71	4.00	0.0	8	14	13	3	se.		
Biloxi.	24	18	80.0 ^a	+ 1.3	98 ^a	6	52 ^a	28	28	5.72	+ 0.85	0.0	10	20	7	3	se.			
Boonville.	504	15	71.8	- 2.1	95	1	43	28	31	3.72	+ 1.19	1.21	0.0	7	17	10	3	se.		
Brookhaven.	500	21	77.0 ^a	+ 0.6	98 ^b	5 ^b	42 ^b	29	39 ^b	5.57	+ 1.96	4.30	0.0	7	25	1	4	e.		
Columbia.	100	5										7.14		3.76	0.0	9	23	3	5	nw.
Maroon.	250	21	76.4	+ 0.5	98	47	40	25	45	1.25	- 1.92	0.56	0.0	6	17	8	5	se.		
Columbus.	250	21	76.4	+ 0.5	98	47	40	25	45	1.25	- 1.92	0.56	0.0	6	17	8	5	se.		
Crystal Springs.	408	17	76.1	- 0.2	96	107	44	28	35	3.61	+ 0.58	3.20	0.0	5	27	2	1	...		
Edinburg.	1	74.4 ^b			99	11	40 ^b	28	34	3.56		1.67	0.0	7	18	5	7	s.		
Enterprise.	248	4										4.09		2.25	0.0	9			...	
Fulton.												4.83		2.48	0.0	6	18	3		

TABLE 2.—*Daily precipitation for September, 1909. District No. 2, South Atlantic and east Gulf States.*

Stations.	River basins.	Day of month.																														Total			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Virginia.																																			
Arvonia.	James.																																		2.50
Ashland.	do.																																	3.16	
Buchanan||.	do.																																	3.77	
Callville.	Chowan.																																	3.59	
Cape Henry.	Coast.																																	0.78	
Charlottesville.	James.																																	1.21	
Clarkeville||.	Roanoke.																																	3.46	
Columbia.	James.																																	2.46	
Danville||.	Roanoke.																																	2.48	
Diamond Springs.	Coast.																																	1.11	
Dinwiddie.	Chowan.																																		
Hampton.	Coast.	.09																																1.18	
Hot Springs||.	James.																																	2.37	
Ivor.	Chowan.																																	2.25	
Lexington.	James.																																	1.98	
Lynchburg.	do.																																	2.65	
Newcastle||.	T.																																	3.49	
Newport News.	Coast.	.50																																1.99	
Norfolk.	T.																																	0.56	
Petersburg.	James.																																	3.77	
Randolph||.	Roanoke.																																	3.04	
Richmond.	James.																																	2.89	
Rockymount.	Roanoke.																																	2.23	
Sabot.	T.																																	3.66	
Saxe.	Roanoke.																																	3.44	
Spottsville (near).	Chowan.																																	3.45	
Williamsburg.	James.																																	2.56	
North Carolina.																																			
Beaufort.	Bogue Sound.	.02																																2.14	
Belhaven.	Pungo.																																	0.83	
Brewers.	Pedee.																																	2.52	
Caroileen.	Santee.																																	6.52	
Chalybeate Springs.	Cape Fear.																																	2.86	
Chapel Hill.	do.																																	2.98	
Charlotte.	Santee.																																	2.06	
Chimney Rock.	Cape Fear.																																		
Clinton.	Chowan.																																	1.00	
Eagleton.	Albemarle Sound.																																		
Fayetteville||.	Cape Fear.																																	2.01	
Goldsboro||.	Neuse.																																	2.26	
Graham||.	Cape Fear.																																	3.04	
Greensboro||.	Tar.																																	2.00	
Greenville||.	Pamlico Sound.																																	1.35	
Hatteras.	Tar.																																	2.53	
Henderson.	Neuse.																																		
Kinston.	Santee.																																		
Lenoir.	do.																																		
Lexington.	Chowan.																																		
Lincolnton.	Albemarle Sound.																																		
Louisburg||.	Cape Fear.																																	2.44	
Lumberton||.	Tar.																																	2.76	
Manteo.	Rumber.																																		
Marion.	Roanoke Sound.																																		
Moncks||.	Santee.																																	1.92	
Monroe.	Cape Fear.																																	2.51	
Morgantown.	Pedee.																																	6.23	
Mount Airy.	Santee.																																	2.45	
Mount Holly||.	Pedee.																																	2.54	
Nashville||.	Santee.																																	1.75	
Newbern||.	Tar.																																	1.78	
Neuse.	Neuse.																																		
Salisbury||.	Pedee.																																	2.28	
Saxon||.	Roanoke.																																	3.15	
Scotland Neck.	Tar.																																	1.52	
Seims.	Neuse.					</td																													

TABLE 2.—*Daily precipitation for September, 1909. District No. 2—Continued.*

TABLE 2.—*Daily precipitation for September, 1909. District No. 9—Continued.*

TABLE 2.—*Daily precipitation for September, 1909. District No. 9—Continued.*

* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the

- Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.

[†] Also on other dates.

Data are from standard instruments not supplied by the U. S. Weather Bureau. Instruments are read in the morning; the maximum temperature then read is ch-

Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. Estimated by observer.

Precipitation for the 24

T. Precipitation is less than 0.01 inch rain or melted snow.
a, b, c, d indicate respectively 1-2, 3-4, down-suspending from the record.

b, *c*, *d*, etc., indicate, respectively, 1, 2, 3, etc., days missed.

TABLE 3.—Maximum and minimum temperatures at selected stations, September, 1909. District No. 2, South Atlantic and east Gulf States.

Date.	Virginia.										North Carolina.										South Carolina.									
	Lynchburg.		Norfolk.		Richmond.		Saxe.		Charlotte.		Eagleton.		Fayetteville.		Hatteras.		Newbern.		Raleigh.		Reidsville.		Salisbury.		Wilmington.		Charleston, S. C.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1...	85	60	83	65	85	62	90	59	87	65	88	68	78	70	82	67	88	65	86	74	90	63	84	69	90	69	90	70		
2...	78	50	71	59	75	55	87	44	77	55	78	59	70	64	77	55	75	55	80	51	81	47	77	50	74	60	79	69		
3...	80	47	80	55	76	53	81	60	79	54	82	63	83	63	84	49	79	54	82	51	83	47	77	55	78	67	70			
4...	83	61	79	63	78	62	86	67	80	62	83	62	86	66	90	50	80	60	82	60	83	61	82	60	81	67	81	72		
5...	82	58	82	67	84	63	75	46	79	65	85	64	85	72	89	58	82	63	79	54	80	63	83	67	85	67	85	72		
6...	73	47	70	62	73	52	65	59	77	61	77	61	74	68	79	60	77	60	80	51	79	56	75	65	77	74	72			
7...	70	58	70	61	67	59	71	59	75	63	77	64	76	69	81	60	72	59	70	61	71	60	80	65	83	72	74			
8...	76	57	76	64	77	61	73	64	79	62	80	64	78	70	82	62	72	63	70	60	79	61	77	69	82	74	72			
9...	70	65	80	67	74	66	83	67	77	64	83	66	82	71	89	65	79	69	80	63	83	62	83	68	83	72	72			
10...	83	67	78	70	79	66	83	60	84	69	84	68	82	74	92	66	79	67	82	67	86	68	86	69	86	72	72			
11...	83	65	76	67	81	66	80	58	87	65	88	67	83	71	88	68	83	67	84	62	80	69	82	70	82	70	70			
12...	77	65	74	66	77	60	81	59	82	64	83	63	78	70	82	62	79	62	83	63	82	60	80	64	79	72	72			
13...	79	63	76	68	79	60	84	62	78	61	84	64	82	72	88	64	80	62	80	59	81	57	81	66	82	72	72			
14...	79	59	82	69	82	67	82	62	85	60	87	64	83	73	87	66	82	65	85	57	88	51	82	67	83	74	74			
15...	83	61	83	68	83	65	83	63	83	68	89	68	82	73	87	68	84	66	87	65	86	65	82	70	82	74	74			
16...	73	67	84	69	81	67	82	66	74	69	88	67	81	71	89	64	85	68	86	64	87	63	83	69	82	73	73			
17...	82	66	79	68	82	67	81	64	76	68	88	68	84	73	87	64	87	67	88	67	82	60	80	65	83	72	74			
18...	75	67	79	67	79	66	86	79	81	75	87	74	86	74	86	67	82	71	81	65	80	61	81	67	83	74	74			
19...	71	62	71	65	72	60	78	65	77	63	86	65	76	70	78	65	76	76	85	72	80	65	79	62	79	72	72			
20...	72	54	74	63	70	54	71	48	74	58	76	55	81	63	76	58	70	55	75	52	76	53	74	60	79	74	74			
21...	76	62	79	65	77	64	81	62	77	62	86	63	78	73	83	58	81	63	83	61	81	61	81	67	81	70	70			
22...	80	63	78	69	79	61	82	53	83	68	87	63	79	72	82	64	82	63	82	63	82	68	81	67	82	74	74			
23...	84	66	88	68	84	63	85	58	89	60	91	63	82	71	87	63	86	64	88	68	87	67	83	63	82	70	70			
24...	72	54	72	60	73	54	75	56	72	56	71	59	84	88	68	89	64	73	54	72	68	61	86	60	83	66	70			
25...	70	46	68	59	80	49	69	45	69	52	89	52	70	65	70	57	84	42	81	52	83	47	82	50	80	54	77			
Mns	76.3	57.1	76.0	63.4	75.9	59.0	78.2	56.1	77.6	60.5	81.4	60.2	77.6	68.1	82.1	59.7	77.5	59.9	79.3	57.8	79.9	57.7	78.8	63.2	79.9	68.7				

Date.	South Carolina.										Georgia.										Macon.									
	Columbia.		Conway.		Georgetown.		Greenville.		Newberry.		Socley Hill.		Trial.		Adelby.		Albany.		Atlanta.		Augusta.		Dahlonega.		Macon.		Savannah.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.			
1...	90	66	95	70	87	63	88	64	94	66	91	59	91	70	88	67	95	71	87	70	92	67	87	62	92	69	89	71		
2...	79	60	80	61	78	59	79	55	83	57	75	51	83	51	84	57	91	70	83	61	84	65	87	52	92	67	79	70		
3...	83	56	83	62	80	61	77	54	84	51	84	51	80	50	88	58	91	67	80	61	84	53	86	62	93	79	66			
4...	84	65	83	56	89	62	84	54	88	63	79	66	87	57	86	76	93	67	86	66	86	61	91	66	83	70	70			
5...	90	67	91	63	90	60	91	63	91	65	93	66	94	64	95	69	92	73	84	68	93	64	93	69	94	70	70			
6...	81	68	82	68	78	63	76	64	83	67	76	64	83	63	80	65	90	67	80	68	91	65	88	60	80	80	71			
7...	86	67	85	65	79	70	84	63	81	67	83	65	81	63	81	64	90	70	81	68	88	65	88	63	88	65	70			
8...	80	70	85	69	80	69	77	66	83	63	89	68	88	70	80	66	93	73	76	68	83	73	73	83	68	72				
9...	84	70	86	67	84	70	76	66	83	69	82	70	87	67	85	67	88	71	83	70	87	64	88	68	88	72	72			
10...	88	71	86	70	86	70	83	66	91	69	89	69	89	64	82	68	90	71	82	73	83	68	80	70	80	72	72			
11...	89	69	87	70	85	71	87	66	90	63	85	68	89	63	88	67	94	72	88	68	91	70	87	66	90	69	86			
12...	85	70	86	68	80	63	87	64	91	69	89	60	90	63	85	67	91	69	86	68	90	70	88	67	93	72	72			
13...	84	64	85	65	82	63	86	62	89	63	91	68	85	65	92	64	91	71	84	64	92	67	80	63	96	76	70			
14...	88	69	88	67	85	72	83	65	89	65	95	71	89	67	96	66	97	71	85	71	91	71	84	69	91	71	71			
15...	88	70	86	65	85	71	76	65	85	70	86	68	89	68	93	70	90	63	83	71	82	68	87	70	81	71	71			
16...	85	69	86	68	86	73	77	69	76	70	88	69																		

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TABLE 3.—*Maximum and minimum temperatures at selected stations, September, 1909.* District No. 2—Continued.

Florida

Mississippi